

Nama : Sherina Nur Anggraeni

NIM : A11.2022.14374

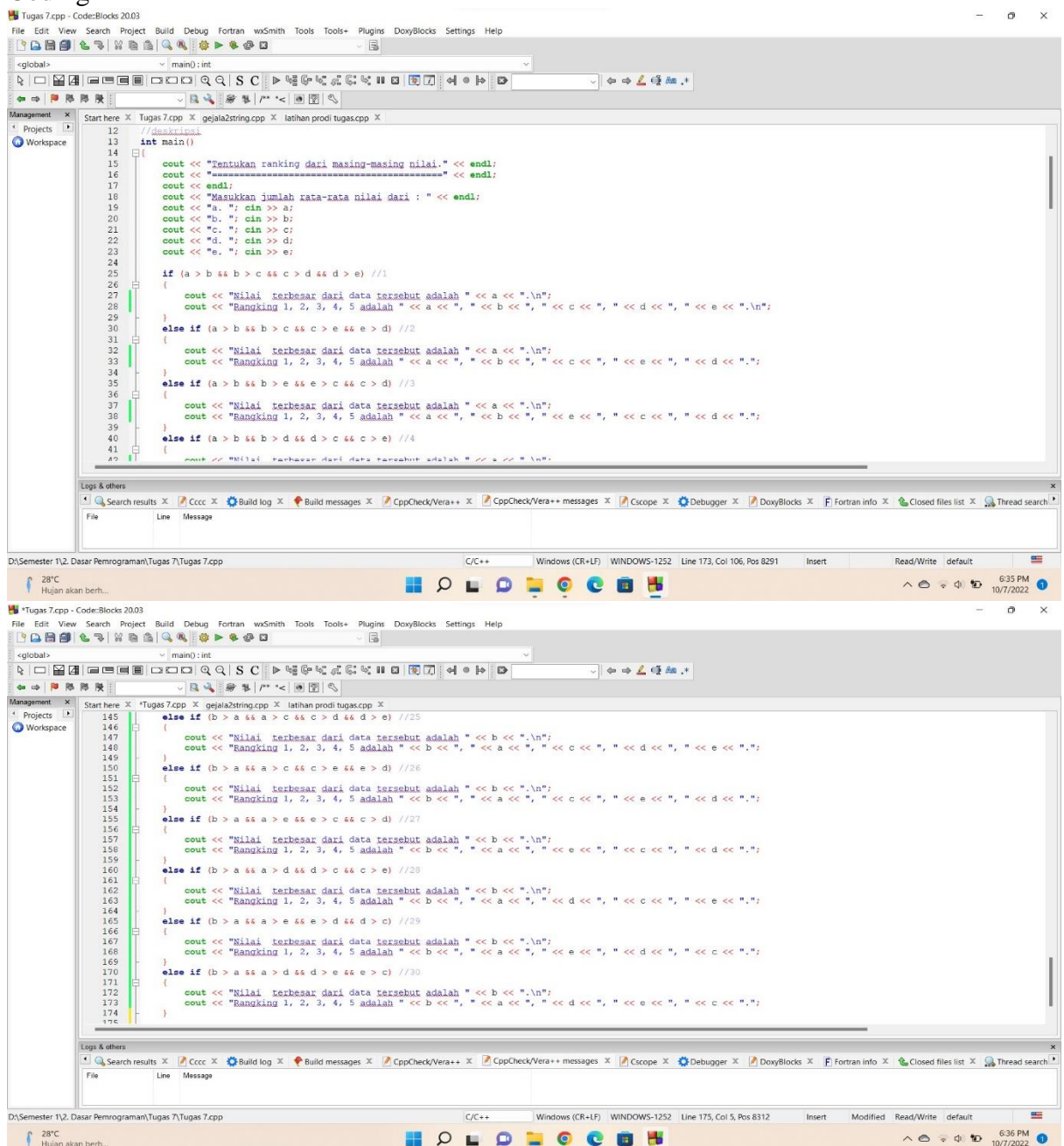
Kelompok : A11.4109

Fakultas : Ilmu Komputer

Prodi : Teknik Informatika

Buatlah inputan 5 bilangan dan cari mana yang terbesar dan urutkan dari terbesar ke terkecil atau sebaliknya!

1. Coding



The image displays two screenshots of a C++ code editor, likely Code::Blocks, showing the implementation of a program to find the maximum of 5 numbers and sort them in descending order.

Top Screenshot: The code is in the `main()` function. It prompts the user to enter 5 numbers (a, b, c, d, e). It then uses a series of `if` statements to determine the maximum value and print the ranking of each number. The logic is as follows:

- Line 27: `if (a > b && b > c && c > d && d > e) //1` - If a is the largest, print its ranking.
- Line 31: `else if (a > b && b > c && c > e && e > d) //2` - If a is the largest, print its ranking.
- Line 35: `else if (a > b && b > e && e > c && c > d) //3` - If a is the largest, print its ranking.
- Line 39: `else if (a > b && b > d && d > c && c > e) //4` - If a is the largest, print its ranking.

Bottom Screenshot: The code continues with more `if` statements to handle cases where b, c, d, or e is the maximum. The logic is as follows:

- Line 146: `else if (b > a && a > c && c > d && d > e) //25` - If b is the largest, print its ranking.
- Line 150: `else if (b > a && a > c && c > e && e > d) //26` - If b is the largest, print its ranking.
- Line 154: `else if (b > a && a > e && e > c && c > d) //27` - If b is the largest, print its ranking.
- Line 158: `else if (b > a && a > d && d > c && c > e) //28` - If b is the largest, print its ranking.
- Line 162: `else if (b > a && a > e && e > d && d > c) //29` - If b is the largest, print its ranking.
- Line 166: `else if (b > a && a > d && d > e && e > c) //30` - If b is the largest, print its ranking.

2. Run Coding

The image displays two screenshots of a C++ IDE (Code::Blocks 20.03) running a program. The program is titled "Tugas 7.cpp" and is located in the "D:\Semester 1\2. Dasar Pemrograman\Tugas 7\Tugas 7.exe" directory.

First Screenshot: The program is running with the following input values: 100, 90, 80, 70, 60. The output shows the maximum value (100) and the sorted order (100, 90, 80, 70, 60).

```
int main()
{
    cout << "Tentukan ranking dari masing-masing nilai." << endl;
    cout << "Masukkan jumlah rata-rata nilai dari : " << endl;
    cout << "a. "; cin >> a;
    cout << "b. "; cin >> b;
    cout << "c. "; cin >> c;
    cout << "d. "; cin >> d;
    cout << "e. "; cin >> e;

    if (a > b && b > c && c > d && d > e) //1
    {
        cout << "Nilai terbesar dari data tersebut adalah " << a << endl;
        cout << "Ranking 1, 2, 3, 4, 5 adalah " << a << endl;
    }
    else if (a > b && b > c && c > e && e > d) //2
    {
        cout << "Nilai terbesar dari data tersebut adalah " << a << endl;
        cout << "Ranking 1, 2, 3, 4, 5 adalah " << a << endl;
    }
    else if (a > b && b > e && e > c && c > d) //3
    {
        cout << "Nilai terbesar dari data tersebut adalah " << a << endl;
        cout << "Ranking 1, 2, 3, 4, 5 adalah " << a << endl;
    }
    else if (a > b && b > d && d > c && c > e) //4
    {
        cout << "Nilai terbesar dari data tersebut adalah " << a << endl;
        cout << "Ranking 1, 2, 3, 4, 5 adalah " << a << endl;
    }
}
```

Second Screenshot: The program is running with the following input values: 80, 100, 40, 60, 70. The output shows the maximum value (100) and the sorted order (100, 80, 70, 60, 40).

```
int main()
{
    cout << "Tentukan ranking dari masing-masing nilai." << endl;
    cout << "Masukkan jumlah rata-rata nilai dari : " << endl;
    cout << "a. "; cin >> a;
    cout << "b. "; cin >> b;
    cout << "c. "; cin >> c;
    cout << "d. "; cin >> d;
    cout << "e. "; cin >> e;

    if (a > b && b > c && c > d && d > e) //1
    {
        cout << "Nilai terbesar dari data tersebut adalah " << a << endl;
        cout << "Ranking 1, 2, 3, 4, 5 adalah " << a << endl;
    }
    else if (a > b && b > c && c > e && e > d) //2
    {
        cout << "Nilai terbesar dari data tersebut adalah " << a << endl;
        cout << "Ranking 1, 2, 3, 4, 5 adalah " << a << endl;
    }
    else if (a > b && b > e && e > c && c > d) //3
    {
        cout << "Nilai terbesar dari data tersebut adalah " << a << endl;
        cout << "Ranking 1, 2, 3, 4, 5 adalah " << a << endl;
    }
    else if (a > b && b > d && d > c && c > e) //4
    {
        cout << "Nilai terbesar dari data tersebut adalah " << a << endl;
        cout << "Ranking 1, 2, 3, 4, 5 adalah " << a << endl;
    }
}
```